

APPENDIX OF PENDING CLAIMS

1. A semiconductor-based device processing apparatus comprising:
 - a chuck for supporting a wafer; and
 - a barrier having a first position relative to the wafer wherein the first position relative to the wafer substantially facilitates etch uniformity for a chemically driven etch process, and having a second position relative to the wafer wherein the second position relative to the wafer does not interfere with the etch uniformity of an ion driven etch process.
2. The apparatus as recited in claim 1 wherein the barrier is moved to establish the first and the second position of the barrier relative to the wafer.
3. The apparatus as recited in claim 2 wherein the first position is substantially above the wafer and the second position is substantially below the wafer.
4. The apparatus as recited in claim 1 wherein the chuck is moved to establish the first and the second position of the barrier relative to the wafer.
5. The apparatus as recited in claim 1 wherein the barrier surrounds the periphery of the wafer.
6. The apparatus as recited in claim 1 wherein the barrier is moved between the first and the second position using an actuator.
7. The apparatus as recited in claim 1 wherein the barrier has a third position.
8. A plasma processing apparatus comprising:
 - a chuck for supporting a wafer; and

a moveable barrier having a first position and a second position, wherein the first position is capable of restricting diffusion of gases over the wafer within the plasma processing apparatus to the wafer.

9. The apparatus as recited in claim 8 wherein the plasma processing apparatus further comprises an actuator operable to move the moveable barrier between the first position and the second position.

10. (Once Amended) The apparatus as recited in claim 8 wherein at least a portion of the moveable barrier is within 1/8 inches to 2 inches of the wafer when in the first position.

11. The apparatus as recited in claim 8 wherein the moveable barrier includes an opening.

12. The apparatus as recited in claim 8 wherein the moveable barrier shape is relative to the shape of the wafer.

13. The apparatus as recited in claim 12 wherein the moveable barrier shape is substantially circular.